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... [Experiments at Dublin City University: Thresholding Posting Lists](#). [All articles](#) [Recent articles](#)

Query Expansion with WordNet and ... - group of 5 »

A Smeaton, F Kellely, RO'Donnell - Proceedings of TREC-4, 1995 - www-nlpir.nist.gov

TREC-4 Experiments at Dublin City. University: Thresholding Posting Lists,. **Query**

Expansion with WordNet and POS. Tagging of Spanish. Alan F. Smeaton. 1. ...

[Cited by 18](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[PS] An Approach to Conceptual Text Retrieval Using the EuroWordNet Multilingual Semantic Database - group of 5 »

J Gilarranz, J Gonzalo, F Verdejo - Electronic Working Notes of the AAAI Spring Symposium on ..., 1997 - enee.umd.edu

... on using WordNet for indexing and **expansion** of queries. ... the degree of similarity between **query** and document ... Figure 1: Comparison between **expanding a query** with ...

[Cited by 32](#) - [View as HTML](#) - [Web Search](#)

The Use of External Knowledge in Factoid QA - group of 6 »

E Hovy, U Hermjakob, CY Lin - Proceedings of the Tenth Text REtrieval Conference (TREC ..., 2001 - isi.edu

... module identifies noun phrases, nouns, **verb** phrases, **verbs**, adjective phrases ... **Expanding**

Queries Query expansion comes from two sources and used in different ...

[Cited by 58](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[PS] Automatic Query Expansion for Japanese Text Retrieval - group of 2 »

C Han, H Fujii, WB Croft - University of Massachusetts, Amherst, MA, 1995 - historical.ncstrl.org

... as the term-vs-term, term-vs-noun term, term-vs- **verb** term and ... 3 Automatically **Expanding**

Queries Three of the basic problems about automatic **query expansion** are ...

[Cited by 12](#) - [View as HTML](#) - [Web Search](#)

Evaluating natural language processing techniques in information retrieval

T Strzalkowski, F Lin, J Wang, J Perez-Carballo - Natural Language Information Retrieval. Kluwer, Boston, MA, 1999 - nlp.korea.ac.kr

... 7.3. Automatic **Query Expansion** ... Repeated occurrences within the **query** Description and Narrative fields ... the right paragraphs from documents to **expand** the queries ...

[Cited by 21](#) - [View as HTML](#) - [Web Search](#)

Using WordNet and lexical operators to improve Internet searches - group of 3 »

DI Moldovan, R Mihalcea - Internet Computing, IEEE, 2000 - ieeexplore.ieee.org

... disambiguated" and the **query** subsequently **expand-** ed to ... prepositions, pronouns, and modal **verbs**), we are ... uses WordNet for WSD and **query expansion**, and the ...

[Cited by 45](#) - [Web Search](#) - [BL Direct](#)

Query Expansion and Classification of Retrieved Documents - group of 5 »

C de Loupy, P Bellot, M El-Bèze, PF Marteau - Proceedings of the Seventh Text REtrieval Conference (TREC-7 ..., 1998 - langnat.com

... **Query expansion** with synonyms or stems must be handled carefully ... to the lemmas of the **query**, a coeffi ... Stemming can be very useful to **expand** queries, particularly ...

[Cited by 14](#) - [Web Search](#) - [BL Direct](#)

[PS] IBM's Statistical Question Answering System {TREC-10 - group of 3 »

A Ittycheriah, M Franz, S Roukos - Training - trec.nist.gov

... dependency arc match score, LCA **expanding** word score ... the question has non-stop **verb** (meaning important ... evaluate the effect of various amounts of **query expansion**. ...

[Cited by 75](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[WebMate: a personal agent for browsing and searching - group of 11 »](#)

L Chen, K Sycara - Proceedings of the second international conference on ..., 1998 - portal.acm.org

... etc, stemming the plural noun to its single form and inflexed **verb** to its ... There are three ways to **expand** the **query**: manual **query expansion**, semi-manual ...

[Cited by 259](#) - [Web Search](#)

[\[PS\] An association thesaurus for information retrieval - group of 11 »](#)

Y Jing, WB Croft - Proceedings of RIAO, 1994 - historical.ncstrl.org

... All words (**verbs**, adjectives, adverbs, and nouns) are treated ... terms are used to automatically **expand** the **query** ... This list is used for automatic **query expansion**. ...

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query expansion expanding verb

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verb expansion

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Results 1 - 10 of about 21,500 for **verb expansion**. (0.15 seconds)

From rote learning to system building: Acquiring **verb** morphology in children and connectionist nets - group of 2 »

K Plunkett, V Marchman - Cognition, 1993 - www-cse.ucsd.edu

... In criterial **expansion**, new **verbs** are added to the training set only when all ... On the second training schedule, epoch **expansion**, a new **verb** is introduced to the ...

[Cited by 214](#) - [View as HTML](#) - [Web Search](#)

Expansion of multi-word terms for indexing and retrieval using morphology and syntax - group of 7 »

C Jacquemin, JL Klavans, E Tzoukermann - Proceedings of the 35th conference on Association for ..., 1997 - acl.ldc.upenn.edu

... the importance of term **expansion**, we now compare term indexing with 28 Page 6. Table 1: Metarules of Type 1 (Coordination) and Type 2 (Noun to **Verb**) Variations. ...

[Cited by 53](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Combining multiple evidence from different types of thesaurus for query **expansion** - group of 2 »

R Mandala, T Tokunaga, H Tanaka - Proceedings of the 22nd annual international ACM SIGIR ..., 1999 - portal.acm.org

... In this paper, for the purpose of query **expansion**, we combine three types of thesaurus: a hand- ... Subject-**Verb Verb**-Object Adjective-Noun Noun-Noun Each ...

[Cited by 51](#) - [Web Search](#)

[PS] Automatic Query **Expansion** for Japanese Text Retrieval - group of 2 »

C Han, H Fujii, WB Croft - University of Massachusetts, Amherst, MA, 1995 - historical.ncstrl.org

... 6. Phrase based query **expansion** [14 ... simulate all types of term-based association thesauri such as the term-vs-term, term-vs-noun term, term-vs- **verb** term and ...

[Cited by 12](#) - [View as HTML](#) - [Web Search](#)

[BOOK] A Computational Theory of Vocabulary **Expansion** - group of 7 »

K Ehrlich, WJ Rapaport - 1995 - cs.buffalo.edu

... Ehrlich, K. (1995), "Automatic Vocabulary **Expansion** through Narrative Context," TR 95-09 ... Gleitman, L. (1990), "The Structural Sources of **Verb** Mean- ings ...

[Cited by 19](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

Finding High-Frequent Synonyms of A Domain-Specific **Verb** in English Sub-Language of MEDLINE ...

C Xiao, D Rösner - Proc 2nd Global WordNet Conf - fi.muni.cz

... **Expansion** of Misleading **Verb** List (STOP k): Learning Misleading Information from Genre Analysis of Corpus and WordNet Because the sub-language in MEDLINE ...

[Cited by 6](#) - [View as HTML](#) - [Web Search](#)

... Experiments at Dublin City University: Thresholding Posting Lists, Query **Expansion** with WordNet and ... - group of 5 »

A Smeaton, F Kellady, RO'Donnell - Proceedings of TREC-4, 1995 - www-nlpir.nist.gov

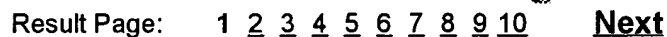
TREC-4 Experiments at Dublin City. University: Thresholding Posting Lists,. Query **Expansion** with WordNet and POS. Tagging of Spanish. ... a. query. **expansion**. using. ...

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WordNet: A Lexical Database for English - group of 12 »

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GA Miller - COMMUNICATIONS OF THE ACM, 1995 - portal.acm.org

... But **dictionary** entries evolved for the convenience ... English nouns, **verbs**, adjectives, and adverbs are organized into sets of **synonyms**, each representing a ...

[Cited by 1028](#) - [Web Search](#) - [BL Direct](#)

[book] Acquiring Lexical Data from Machine-readable **Dictionary** Resources for Machine Translation

MS Neff, MC McCord - 1990 - webspace.isi.edu

... semantic type of the (underlying) subject of the **verb**. ... A human user of a bilingual **dictionary** is often ... entered by the Webster7 LDB, Collins **Synonym** LDB, LDOCE LDB ...

[Cited by 20](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

Retrieval performance in Ferret a conceptual information retrieval system - group of 2 »

ML Mauldin - Proceedings of the 14th annual international ACM SIGIR ..., 1991 - portal.acm.org

... (usually a **verb**). Scanning left to right, it finds "venture," which is not in the lexicon. ... "spot," and Figure 8 shows how the **dictionary synonym** ...

[Cited by 51](#) - [Web Search](#)

Automatic sense disambiguation of the near-**synonyms** in a **dictionary** entry - group of 7 »

DZ Inkpen, G Hirst - Proceedings of the 4th International Conference on ... - Springer

... have presented a method to disambiguate senses of the near-**synonyms** in **dictionary** entries. We ... semantic roles; we can extract them by finding **verb** senses with ...

[Cited by 9](#) - [Web Search](#) - [BL Direct](#)

Automatic extraction of **synonyms** in a **dictionary** - group of 6 »

VD Blondel, PP Senellart - Proc. of the SIAM Workshop on Text Mining, 2002 - inma.ucl.ac.be

... to different parts of speech: nouns, **verbs**, adjectives, adverbs ... is natural, when looking for a **synonym** of a ... The Webster's **Dictionary** provides for each word ...

[Cited by 9](#) - [View as HTML](#) - [Web Search](#)

A step towards the detection of semantic variants of terms in technical documents - group of 12 »

T Hamon, A Nazarenko, C Gros - Proceedings of the 18th International Conference on ..., 1998 - acl.ldc.upenn.edu

... a better description of the **verb** specialized meanings. ... use general language information (traditional **dictionary** vs ... The use of a **synonym dictionary** and the rules ...

[Cited by 28](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Building a large thesaurus for information retrieval - group of 5 »

EA Fox, JT Nutter, T Ahlswede, M Evens, J ... - Proceedings of the Second Conference on Applied Natural ..., 1988 - acl.ldc.upenn.edu

... tagged - in the printed **dictionary synonyms** appear in ... Adjuncts in **verb** definitions were more varied and of ... a grammar The grammar of **dictionary** definitions is ...

[Cited by 24](#) - [View as HTML](#) - [Web Search](#)

The semantic and stylistic differentiation of **synonyms** and near-**synonyms** - group of 5 »

C DiMarco, G Hirst, M Stede - AAAI Spring Symposium on Building Lexicons for Machine ..., 1993 - ai.uwaterloo.ca

... game, sometimes known as "Irregular **Verbs**", whose goal is ... notes to explain to the ordinary **dictionary** user what ... differences are between groups of **synonyms** and near ...

Cited by 36 - [View as HTML](#) - [Web Search](#)

Towards a representation of verbal semantics—An approach based on near-**synonyms** - group of 9 »

MC Tsai, CR Huang, KJ Chen, K Ahrens - Computational Linguistics and Chinese Language Processing, 1998 - aclclp.org.tw

... 2. Due to space limit, only three pairs of **verbs** are illustrated in ... last pair GAOXING and KUAILE are not included in Teng's **synonyms dictionary** because their ...

Cited by 12 - [View as HTML](#) - [Web Search](#)

DISAMBIGUATING PREPOSITIONAL PHRASE ATTACHMENTS ON-LINE **DICTIONARY** DEFINITIONS - group of 6 »

K Jensen, JL Binot - Computational Linguistics, 1987 - acl.ldc.upenn.edu

... phrases, such as heads of phrases, or else **synonyms**). ... following hierarchical chains of definitions through the **dictionary**. ... the head is not a **verb**, the relation ...

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[Use of syntactic context to produce term association lists for text retrieval - group of 3 »](#)

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G Grefenstette - Proceedings of the 15th annual international ACM SIGIR ..., 1992 - portal.acm.org
 ... used in a **query expansion** experiment, giving the results compared with **expansion**
 via docu- ment co-occurrence data. ... See Figure 3. 2.3 Noun and **Verb Phrases** ...
[Cited by 70](#) - [Web Search](#)

[Question Answering in Webclopedia - group of 8 »](#)

E Hovy, L Gerber, U Hermjakob, M Junk, CY Lin - Proceedings of the TREC-9 Conference, 2000 - isi.edu
 ... identifies noun **phrases**, nouns, **verb phrases**, verbs, adjective ... that such brute force
expansion has undesirable ... The expanded "high school" **query** contains "high ...
[Cited by 94](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[Deriving concept hierarchies from text - group of 8 »](#)

M Sanderson, B Croft - Proceedings of the 22nd annual international ACM SIGIR ..., 1999 - portal.acm.org
 ... He attempted to use his derived thesaurus to aid automatic **query expansion** with
 mixed ... syntactic analysis, he was able to place noun and **verb phrases** into one ...
[Cited by 170](#) - [Web Search](#)

[The Use of External Knowledge in Factoid QA - group of 6 »](#)

E Hovy, U Hermjakob, CY Lin - Proceedings of the Tenth Text REtrieval Conference (TREC ..., 2001 - isi.edu
 ... identifies noun **phrases**, nouns, **verb phrases**, verbs, adjective ... These **phrases**/words
 are assigned significance scores ... **Query expansion** comes from two sources and ...
[Cited by 58](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

[\[PS\] An association thesaurus for information retrieval - group of 11 »](#)

Y Jing, WB Croft - Proceedings of RIAO, 1994 - historical.ncstrl.org
 ... Page 9. Thesaurus **Phrase** Methods for **Query Expansion** (%) Type Rule DUPONLY NODUP
 BOTH **Verb**-based f V,G,D g +0.1 +0.8 -0.2 Adj+Adv-based f J, R g +2.2 +1.7 +3.0 ...
[Cited by 167](#) - [View as HTML](#) - [Web Search](#)

[Evaluating natural language processing techniques in information retrieval](#)

T Strzalkowski, F Lin, J Wang, J Perez-Carballo - Natural Language Information Retrieval. Kluwer, Boston, MA,
 1999 - nlp.korea.ac.kr
 ... The head of the subject **phrase** and the main **verb** ... By looking up certain key words
 and **phrases** ("foreign", "other countries ... 7. **Query Expansion** Experiments ...
[Cited by 21](#) - [View as HTML](#) - [Web Search](#)

[SEXTANT: exploring unexplored contexts for semantic extraction from syntactic analysis](#)

G Grefenstette - Proceedings of the 30th conference on Association for ..., 1992 - portal.acm.org
 ... **phrases**, **phrases** are scanned before the **verb phrase** for an ... likewise to the right
 of the **verb** for objects ... term co-occurrence data for **query expansion** in document ...
[Cited by 26](#) - [Web Search](#)

[Information extraction supported question answering - group of 5 »](#)

R Srihari, W Li - Proceedings of the Eighth Text REtrieval Conference (TREC-8), 1999 - trec.nist.gov
 ... is **Question Expansion** (corresponding to **query expansion** in IR). ... After **expansion**,
 the template for the template [3 ... As we know, infinitive **verb phrases** are often ...
[Cited by 59](#) - [View as HTML](#) - [Web Search](#) - [BL Direct](#)

Discovery of inference rules for question-answering - group of 11 »

D LIN, P PANTEL - Natural Language Engineering, 2002 - CambridgeUnivPress

... it is difficult to identify similar **phrases** that report ... Morphological variant **query expansion** was treated by Sparck Jones ... for obtaining noun-to-verb variants. ...Cited by 82 - Web Search - BL Direct[PS] IRENA: Information Retrieval Engine based on Natural language Analysis - group of 3 »

AT Arampatzis, T Tsois, CHA Koster - Proceedings of RIAO, 1997 - cs.ru.nl

... accepts queries in the form of English noun **phrases**. ... database of synonyms to enhance the lexical **expansion**. The expanded **query** and the collection of documents ...Cited by 28 - View as HTML - Web Search

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